



1

SEQUENCE LISTING

<110> FUJIREBIO INC.

<120> Anti-SARS virus antibody, hybridoma producing the same and immunoassay reagent including the same

<130> 04PF0289-PCT

<150> JP 2003-373779

<151> 2003-10-31

<150> JP 2004-034268

<151> 2004-02-10

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 1269

<212> DNA

<213> Coronavirus

<220>

<221> CDS

<222> (1)..(1269)

<223>

<400> 1

atg tct gat aat gga ccc caa tca aac caa cgt agt gcc ccc cgc att	48
Met Ser Asp Asn Gly Pro Gln Ser Asn Gln Arg Ser Ala Pro Arg Ile	
1 5 10 15	

aca ttt ggt gga ccc aca gat tca act gac aat aac cag aat gga gga	96
Thr Phe Gly Pro Thr Asp Ser Thr Asp Asn Asn Gln Asn Gly Gly	
20 25 30	

cgc aat ggg gca agg cca aaa cag cgc cga ccc caa ggt tta ccc aat	144
Arg Asn Gly Ala Arg Pro Lys Gln Arg Arg Pro Gln Gly Leu Pro Asn	
35 40 45	

aat act gcg tct tgg ttc aca gct ctc act cag cat ggc aag gag gaa	192
Asn Thr Ala Ser Trp Phe Thr Ala Leu Thr Gln His Gly Lys Glu-Glu	
50 55 60	

ctt aga ttc cct cga ggc cag ggc gtt cca atc aac acc aat agt ggt	240
Leu Arg Phe Pro Arg Gly Gln Gly Val Pro Ile Asn Thr Asn Ser Gly	

65	70	75	80	
cca gat gac caa att ggc tac tac cga aga gct acc cga cga gtt cgt Pro Asp Asp Gln Ile Gly Tyr Tyr Arg Arg Ala Thr Arg Arg Val Arg				288
85	90	95		
ggt ggt gac ggc aaa atg aaa gag ctc agc ccc aga tgg tac ttc tat Gly Gly Asp Gly Lys Met Lys Glu Leu Ser Pro Arg Trp Tyr Phe Tyr				336
100	105	110		
tac cta gga act ggc cca gaa gct tca ctt ccc tac ggc gct aac aaa Tyr Leu Gly Thr Gly Pro Glu Ala Ser Leu Pro Tyr Gly Ala Asn Lys				384
115	120	125		
gaa ggc atc gta tgg gtt gca act gag gga gcc ttg aat aca ccc aaa Glu Gly Ile Val Trp Val Ala Thr Glu Gly Ala Leu Asn Thr Pro Lys				432
130	135	140		
gac cac att ggc acc cgc aat cct aat aac aat gct gcc acc gtg cta Asp His Ile Gly Thr Arg Asn Pro Asn Asn Ala Ala Thr Val Leu				480
145	150	155	160	
caa ctt cct caa gga aca aca ttg cca aaa ggc ttc tac gca gag gga Gln Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly				528
165	170	175		
agc aga ggc ggc agt caa gcc tct tct cgc tcc tca tca cgt agt cgc Ser Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Arg Ser Arg				576
180	185	190		
ggt aat tca aga aat tca act cct ggc agc agt agg gga aat tct cct Gly Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro				624
195	200	205		
gct cga atg gct agc gga ggt ggt gaa act gcc ctc gcg cta ttg ctg Ala Arg Met Ala Ser Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu				672
210	215	220		
cta gac aga ttg aac cag ctt gag agc aaa gtt tct ggt aaa ggc caa Leu Asp Arg Leu Asn Gln Leu Glu Ser Lys Val Ser Gly Lys Gly Gln				720
225	230	235	240	
caa caa caa ggc caa act gtc act aag aaa tct gct gct gag gca tct Gln Gln Gln Gly Gln Thr Val Thr Lys Lys Ser Ala Ala Glu Ala Ser				768
245	250	255		
aaa aag cct cgc caa aaa cgt act gcc aca aaa cag tac aac gtc act Lys Lys Pro Arg Gln Lys Arg Thr Ala Thr Lys Gln Tyr Asn Val Thr				816

260

265

270

caa gca ttt ggg aga cgt ggt cca gaa caa acc caa gga aat ttc ggg 864
 Gin Ala Phe Gly Arg Arg Gly Pro Glu Gln Thr Gln Gly Asn Phe Gly
 275 280 285

gac caa gac cta atc aga caa gga act gat tac aaa cat tgg ccg caa 912
 Asp Gln Asp Leu Ile Arg Gln Gly Thr Asp Tyr Lys His Trp Pro Gln
 290 295 300

att gca caa ttt gct cca agt gcc tct gca ttc ttt gga atg tca cgc 960
 Ile Ala Gln Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg
 305 310 315 320

att ggc atg gaa gtc aca cct tcg gga aca tgg ctg act tat cat gga 1008
 Ile Gly Met Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly
 325 330 335

gcc att aaa ttg gat gac aaa gat cca caa ttc aaa gac aac gtc ata 1056
 Ala Ile Lys Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile
 340 345 350

ctg ctg aac aag cac att gac gca tac aaa aca ttc cca cca aca gag 1104
 Leu Leu Asn Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu
 355 360 365

cct aaa aag gac aaa aag aag act gat gaa gct cag cct ttg ccg 1152
 Pro Lys Lys Asp Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro
 370 375 380

cag aga caa aag aag cag ccc act gtg act ctt ctt cct gcg gct gac 1200
 Gln Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp
 385 390 395 400

atg gat gat ttc tcc aga caa ctt caa aat tcc atg agt gga gct tct 1248
 Met Asp Asp Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser
 405 410 415

gct gat tca act cag gca taa 1269
 Ala Asp Ser Thr Gln Ala
 420

<210> 2
 <211> 422
 <212> PRT
 <213> Coronavirus

<400> 2

Met Ser Asp Asn Gln Gly Pro Gln Ser Asn Gln Arg Ser Ala Pro Arg Ile
1 5 10 15

Thr Phe Gly Gly Pro Thr Asp Ser Thr Asp Asn Asn Gln Asn Gly Gly
20 25 30

Arg Asn Gly Ala Arg Pro Lys Gln Arg Arg Pro Gln Gly Leu Pro Asn
35 40 45

Asn Thr Ala Ser Trp Phe Thr Ala Leu Thr Gln His Gly Lys Glu Glu
50 55 60

Leu Arg Phe Pro Arg Gly Gln Gly Val Pro Ile Asn Thr Asn Ser Gly
65 70 75 80

Pro Asp Asp Gln Ile Gly Tyr Tyr Arg Arg Ala Thr Arg Arg Val Arg
85 90 95

Gly Gly Asp Gly Lys Met Lys Glu Leu Ser Pro Arg Trp Tyr Phe Tyr
100 105 110

Tyr Leu Gly Thr Gly Pro Glu Ala Ser Leu Pro Tyr Gly Ala Asn Lys
115 120 125

Glu Gly Ile Val Trp Val Ala Thr Glu Gly Ala Leu Asn Thr Pro Lys
130 135 140

Asp His Ile Gly Thr Arg Asn Pro Asn Asn Asn Ala Ala Thr Val Leu
145 150 155 160

Gln Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly
165 170 175

Ser Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Arg Ser Arg
180 185 190

Gly Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro
195 200 205

Ala Arg Met Ala Ser Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu
210 215 220

Leu Asp Arg Leu Asn Gln Leu Glu Ser Lys Val Ser Gly Lys Gly Gln
225 230 235 240

Gln Gln Gln Gly Gln Thr Val Thr Lys Lys Ser Ala Ala Glu Ala Ser
245 250 255

Lys Lys Pro Arg Gln Lys Arg Thr Ala Thr Lys Gln Tyr Asn Val Thr
260 265 270

Gln Ala Phe Gly Arg Arg Gly Pro Glu Gln Thr Gln Gly Asn Phe Gly
275 280 285

Asp Gln Asp Leu Ile Arg Gln Gly Thr Asp Tyr Lys His Trp Pro Gln
290 295 300

Ile Ala Gln Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg
305 310 315 320

Ile Gly Met Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly
325 330 335

Ala Ile Lys Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile
340 345 350

Leu Leu Asn Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu
355 360 365

Pro Lys Lys Asp Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro
370 375 380

Gln Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp
385 390 395 400

Met Asp Asp Phe Ser Arg Gln Leu Gln Asn Ser Met Ser Gly Ala Ser
405 410 415

Ala Asp Ser Thr Gln Ala
420

<210> 3
<211> 18
<212> PRT
<213> Artificial

<220>
<223> A peptide sequence consisting of the amino acids 244-260 of SEQ I
D NO:2 and Cysteine

<400> 3

Gly Gln Thr Val Thr Lys Lys Ser Ala Ala Glu Ala Ser Lys Lys Pro
1 5 10 15

Arg Cys